HYDROBIOLOGIA
Volume 421, Nos. 1–3, 1 March 2000

Freshwater bryozoans (Bryozoa) of Norway: Distribution and ecology of *Cristatella mucedo* and *Paludicella articulata*
Karen Anna Økland, Jan Økland 1–24

Invasion by a Japanese marine microorganism in western North America
Mary McGann, Doris Sloan, Andrew N. Cohen 25–30

Regeneration and colonization abilities of aquatic plant fragments: effect of disturbance seasonality
Marie-Hélène Barrat-Segretain, Gudrun Bornette 31–39

Abundance and daytime vertical distribution of planktonic fish larvae in an oligotrophic South Island lake
M.J. Taylor, E. Graynoth, G.D. James 41–46

***In situ versus* laboratory estimations of length–weight regression and growth rate of *Daphnia magna* (Branchiopoda, Anomopoda) from an aerated waste stabilization pond**
Henry-Michel Cauchie, Isabelle Thys, Lucien Hoffmann, Jean-Pierre Thomé 47–59

***Doxomysis algoaensis*, a new mysid species (Crustacea: Mysidacea) from Algoa Bay (South Africa)**
Tris Wooldridge, Jan Mees 61–68

Passive irrigation and functional morphology of crustacean burrows in a tropical mangrove swamp
Thomas Stieglitz, Peter Ridd, Paul Müller 69–76

Three species of Tobrilidae (Nematoda: Enoplida) from Li River at Guiling, China
Peng Yunliang, August Coomans 77–90

Biomass, species composition and diversity of epipelic algae in mire pools
Makoto M. Watanabe, Shigeki Mayama, Mikiya Hiroki, Hisayoshi Nozaki 91–102

Techniques for the objective detection of pattern in chlorophyll samples at different temporal scales: an example using data from Lough Hyne, a seasonally stratified inlet
M.P. Johnson, M.J. Costello, D. O'Donnell 103–113

Community structure during a 27-year study of the macroinvertebrate fauna of a chemically unstable lake
A.A. Savage 115–127

Impact of agricultural practices on a small headwater stream: terrestrial and aquatic characteristics and self-purifying processes
Véronique de Crespin de Billy, Patricia Reyes-Marchant, Nicole Lair, Bernard Valadas 129–139

Application of individual growth and population models of *Daphnia pulex* to *Daphnia magna*, *Daphnia galeata* and *Bosmina longirostris*
Takashi Asaeda, Kumud Acharya 141–155

Genetic variation in two sympatric European populations of *Bosmina* spp. (Cladocera) tested with RAPD markers
Maria E. Hellsten, Per Sundberg 157–164

Subgeneric differentiation within *Kurzia* (Crustacea: Anomopoda: Chydoridae) and a new species from Central America
Igor Hudec 165–178

Influence of large woody debris on stream insect communities and benthic detritus
A. Dennis Lemly, Robert H. Hilderbrand 179–185

Inter-annual patterns in macroinvertebrate communities of wilderness streams in Idaho, U.S.A.
C.T. Robinson, G.W. Minshall, T.V. Royer 187–198

High abundance of *Trochospongilla horrida* (Porifera, Spongillidae) in the Rhine (Germany) 1992–1995
Jochen Gugel 199–207

Author Index 209

Also available electronically via
http://www.kluweronline.nl